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Docket No.: 41290-00013USPT  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Armen N. Abazajian et al.

Application No.: 10/785317

Confirmation No.:

Filed: February 24, 2004

Art Unit: N/A

For: HIGH STABILITY, HIGH LUBRICITY,  
LOW TOXICITY, HIGH  
BIODEGRADABILITY DRILLING  
FLUID

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the U.S. filing date (37 CFR 1.97(b)(1)).

Copies of the U.S. Patent references on the PTO/SB/08 are not provided. Copies of the other references are provided.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing



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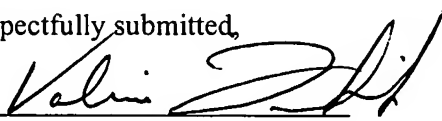
patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 10-0447, under Order No. 41290-00013USPT.

Dated: 5/19/04

Respectfully submitted,

By 

Valerie K. Friedrich

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PTO/SB/92 (08-03)

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Application No. (if known): 10/785317

Attorney Docket No.: 41290-00013USPT


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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/785317
				Filing Date	February 24, 2004
				First Named Inventor	Armen N. Abazajian
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	41290-00013USPT

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US-3,852,207	12-03-1974	Stangeland et al.	
	AB	US-3,904,513	09-09-1975	Fischer et al.	
	AC	US-4,080,397	03-21-1978	Derr et al.	
	AD	US-4,131,568	12-26-1978	Bartish	
	AE	US-4,157,294	06-05-1979	Iwao et al.	
	AF	US-4,207,424	06-10-1980	Winnick	
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	AH	US-4,513,161	04-23-1985	Mauldin	
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	AT	US-4,795,730	01-03-1989	Drake	
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	AX	US-5,227,563	07-13-1993	Fukuhara et al.	
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	AB1	US-5,635,457	06-03-1997	Van Slyke	
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	AE1	US-6,121,504	09-19-2000	Kuechler et al.	
	AF1	US-6,296,757	10-02-2001	Wittenbrink et al.	
	AG1	US-6,384,170	05-07-2002	Krull et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	-EP 0 583 836	02-23-1994	Shell		
	BB	-WO 95/21226	08-10-1995	Chevron Chemical Company		
	BC	-WO 95/21225	08-10-1995	Chevron Chemical Company		
	BD	-WO 01/02325	01-11-2001	Sasol Tech.		
	BE	-WO 01/46096	06-28-2001	Sasol Tech.		

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Sheet	2	of	2	Attorney Docket Number	41290-00013USPT

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\*CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CA	NATARAJAN, G.S., et al., "Alumina Catalyst for Alcohol Dehydration," Indian Journal of Tech., 10 (1972); 463-464.		
	CB	LURGI, "Dehydration of Fatty Alcohols to Alpha-Olefins," pgs. 1-4.		
	CC	S.A. ALI, H.S. MAZHAR ET AL., "Catalyst Conversion of Isopropanol on A1203-Nd203 Supported on Silica," Afinidad 53 (1996) 61.		
	CD	R.M. CURSETJI, A.N. SINGH and A.C. DEO, "Ethylene from Ethyl Alcohol on High Silica Zeolite Catalyst," Chem. Age of India, Vol. 37, No. 6, June 1986, 407-410.		
	CE	JOSE CORELLA and JOSE M. ASUA, "Kinetics and Mechanism of Deactivation by Fouling of a Silica-Alumina Catalyst," The Canadian Journ. of Chem. Eng., Vol. 59, Aug. 1981, 506-510.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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